Maths Week 2 Home Learning

For this week, you have five different activity sheets (one for each day), which must be completed, and extra reasoning activities for each day. For each day, there is a mini- lesson for you to watch before you start at https://whiterosemaths.com/homelearning/year-5/.

The answer sheet for the activity sheets can be found afterwards at the following website: https://whiterosemaths.com/homelearning/year-5/ and the answers to the reasoning activities can be found in the 'Week 2 Reasoning Answers' document.

Day 1 Rounding decimals

Day 2 Order and compare decimals

Day 3 Understand percentages

Day 4 Percentages as fractions and decimals

Day 5 Equivalent fractions, decimals and percentages

Need more practise? Online quizzes for each day's topic can be found at https://diagnosticquestions.com/whiterose.

Day 1 Rounding Decimals Reasoning

Activity 1

Which number am I?

Use the clues below to work out which of the following numbers I am thinking of.

6.81	7.38	7.4	7.22	7.48

- When you round to the nearest whole number, this number rounds to 7.
- The number is less than $\frac{74}{10}$.
- The number's hundredths digit is greater than its tenths digit.

Activity 2

For this challenge you will need a die (or type random number generator into Google and set it from 1 to 9). Roll the die three times and record the results to make a number with 2 decimal places.

_____.____ _____

1. Round your number to the nearest whole and number and the nearest tenth

2. Write three other numbers that would round to the same whole number.

3. Write three numbers that round to the same whole number and the same tenth as your original number.

Repeat this activity three times.

Day 2 Order and Compare Decimals Reasoning

Activity 1

These are the top 8 times in the men's 100m at the London 2012 Olympics.

Richard Thompson	9.98	Usain Bolt	9.63
Yohan Blake	9.75	Ryan Bailey	9.88
Churandy Martina	9.84	Justin Gatlin	9.79
Asfa Powell	11.99	Tyson Gay	9.80

1. Who won the gold, silver and bronze medals? How did you decide?
2. If recorded to one decimal place, which runners would have had the same times?
3. What was the difference between the fastest and slowest time?

Day 3 Understand percentages Reasoning

James thinks that if he has 200 sweets and 40 of them are blue, 20% of them are blue. Is he correct? Explain your answer.

Lucy thinks that she has 300% because she has 300 stickers. Is she correct? Explain your answers.

Day 4 Percentages as Fractions and Decimals

For these activities you will need a die (or type random number generator into Google and set it from 1 to 9).

Activity 1

Roll the dice twice and use the results to make a decimal number with 0 ones and 2 decimal places.

0._____ _____

1. Write your decimal as a percentage.

2. Write your decimal as a fraction.

Repeat 3 times.

Activity 2

Roll the dice 5 times and choose two of your numbers to make a decimal with 0 ones and 2 decimals places that is as close as possible to 100%.

0._____ _____

What would be best digit to put into the tenths column?